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Approved For Release 2003/05/14 : CIA-RDP78B05171A000600020086-8

NPIC/TSSG/RED-1731-69

27 AUG 1969

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT : Proposed Contract with [ ] for a  
Feasibility Study of the Stages of an [ ] Fiber  
Optics Viewer (Stereo Comparator) [ ]

25X1  
25X1  
25X1

1. This memorandum requests approval for the commitment of funds for a contract. The specific request is stated in Paragraph 7.

2. During FY-67, several Fiber-Optics Viewers were procured from [ ]  
[ ] These instruments were designed for the stereo  
viewing of roll film. Subsequently one of the viewers, presently in IEG, was  
modified so that the instrument would be capable of measuring information  
found on imagery. Peripheral digitizing equipment was added to provide an  
on-line capability to the central computer and to allow visual readout of the  
X and Y distances measured. However, since it was originally designed for  
viewing and not mensuration, the instrument had not been assembled and aligned  
in such a manner as to allow measurements to the precision desired.

25X1

3. The proposed project will determine the extent of modifications needed  
on the Fiber-Optics Viewer, indicate the measuring accuracy to be expected from  
the present instrument, and submit recommendations and estimated costs for  
modifying the instrument to provide a mensuration capability with an accuracy  
of 2.5 micrometers plus 0.005 percent of the distance travelled. Completion  
of the project will determine the feasibility of proceeding with a subsequent  
contract to modify and mechanically align the instrument. The total time  
anticipated for completion of the work is two months from the contract date.  
There is no technical risk involved in this project.

4. [ ] was the original designer and builder of  
the Fiber-Optics Viewers. In response to our request, the company submitted  
a technical and cost proposal which appears satisfactory to the Research and  
Engineering Division. Cost for the project has been quoted to be [ ]  
[ ] expects that support will be available from Center personnel  
and shop equipment when and if necessary to expedite work on the contract.  
Such support will in all probability be very limited.

25X1

5. The proposed project is in response to the stated need by IEG for  
gaining additional mensuration capability by means of a digitized Fiber-Optics  
Viewer. If the project indicates the feasibility of attaining the necessary  
mensuration accuracy, a follow-on contract will be required to modify and  
mechanically align the instrument. Cost of the follow-on work will depend  
on the magnitude of the modifications found necessary by this initial project.

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SUBJECT: Proposed Contract with [redacted] Incorporated for a Feasibility Study of the Stages of an [redacted] Fiber Optics Viewer (Stereo Comparator) [redacted]

7. It is requested that approval be granted to negotiate with [redacted] for a contract to conduct the program described at a [redacted]

Chief, Technical Services & Support Group,  
NPIC

CONCUR:

APPROVAL:

ARTHUR C. LUNDAHL  
Director, NPIC

27 August 1969  
Date

5 SEP 1969

Date

Distribution:

- Orig - NPIC/TSSG/C&PS (After approval)
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NPIC/TSSG/RED, [redacted] (13 Aug 69)

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